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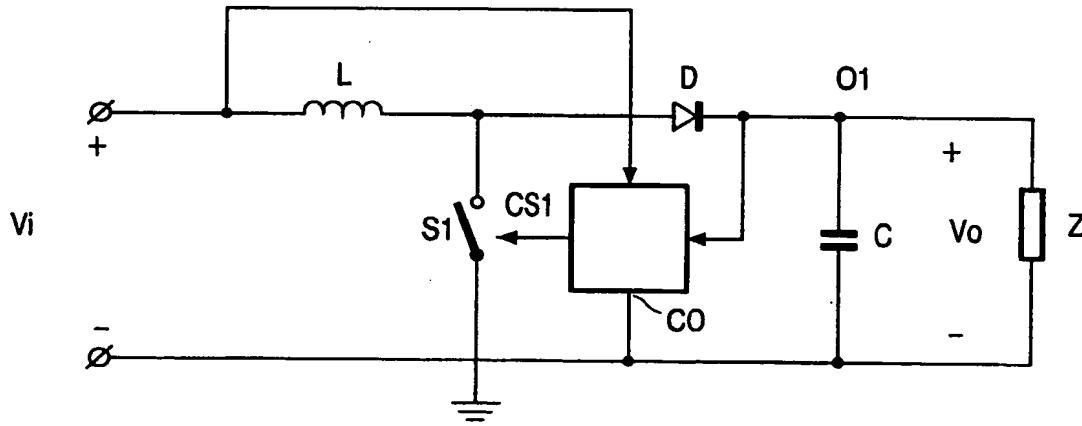
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(54) Title: DC-DC CONVERTER



(57) Abstract: A DC-DC converter comprises a switch (S1) which periodically connects an inductor (L) to a DC-input voltage (Vi) during an on-period (Ton) of a period time (Tp), an operating frequency (fo) of the DC-DC converter is the inverse of the period time (Tp). An output (O1) of the DC-DC converter is coupled to the inductor (L) to supply an output voltage (Vo). A controller (CO) controls the operating frequency (fo) of the DC-DC converter to be substantially proportional to the output voltage (Vo) to obtain a substantially constant average duration of the on-period (Ton) as function of the output voltage (Vo).

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 515 257 A (ISHII) 7 May 1996 (1996-05-07) column 1, line 1 -column 4, line 40; figures 1-4 -----	1-5, 12-14 11
Y	US 5 568 044 A (BITTNER) 22 October 1996 (1996-10-22) column 2, line 34 -column 9, line 33; figures 1-6E -----	11
A	US 5 747 976 A (WONG ET AL) 5 May 1998 (1998-05-05) column 1, line 1 -column 5, line 51; figures 1-5 -----	1,2,4,7, 12-14

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Patent family members are listed in annex.

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